

**Sentinel Provider Influenza-Like Illness (ILI)<sup>1</sup> Surveillance Summary** ([health.state.tn.us/TNflu\\_report\\_archive.htm](http://health.state.tn.us/TNflu_report_archive.htm))  
**for the Week of March 2-8, 2014 (Week 10)**

| Summary for                   | # Sites reporting | Total Sites | Total Regional ILI | Total Regional Patients | % ILI | Compare d to State <sup>2</sup> |
|-------------------------------|-------------------|-------------|--------------------|-------------------------|-------|---------------------------------|
| Hamilton County (Chattanooga) | 4                 | 4           | 3                  | 756                     | 0.4%  | lower                           |
| East Tennessee Region         | 8                 | 8           | 96                 | 2475                    | 3.9%  | higher                          |
| Jackson-Madison County        | 1                 | 2           | 1                  | 58                      | 1.7%  |                                 |
| Knoxville-Knox County         | 4                 | 4           | 30                 | 1953                    | 1.5%  |                                 |
| Mid-Cumberland Region         | 6                 | 10          | 2                  | 680                     | 0.3%  | lower                           |
| Shelby County (Memphis)       | 0                 | 5           | 0                  | 0                       | 0.0%  | n/a                             |
| Nashville-Davidson County     | 3                 | 6           | 4                  | 180                     | 2.2%  |                                 |
| Northeast Region              | 3                 | 3           | 0                  | 240                     | 0.0%  | lower                           |
| South Central Region          | 3                 | 3           | 0                  | 219                     | 0.0%  |                                 |
| Southeast Region              | 5                 | 5           | 4                  | 872                     | 0.5%  | lower                           |
| Sullivan County (Tri-Cities)  | 1                 | 2           | 0                  | 385                     | 0.0%  | lower                           |
| Upper Cumberland Region       | 4                 | 4           | 0                  | 397                     | 0.0%  | lower                           |
| West Tennessee Region         | 6                 | 6           | 0                  | 244                     | 0.0%  | lower                           |
| State of Tennessee            | 48                | 62          | 140                | 8459                    | 1.66% |                                 |

**Flu activity decreasing, but not gone**

Nationally, flu activity is decreasing but remains elevated in a few key indicators: 8 states are still reporting widespread activity (12 were regional); the proportion of deaths attributed to pneumonia and influenza remain above the epidemic threshold; and pediatric deaths from influenza are still being reported to CDC.

Vaccine is the first and most important step in protecting against flu and its potentially serious complications. People can still benefit from getting vaccinated; the match between vaccine strains and the circulating strains of H1N1, H3N2 and B type influenza viruses is very good. Preliminary estimates of vaccine effectiveness this season indicate a 60% reduction in a vaccinated person's risk of having to go to the doctor with influenza, compared to the unvaccinated. More at <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6307a1.htm>

**Sentinel Providers - Use Current (9/13) Specimen Form**

If you have questions, contact your regional or state SPN representative.

The percentage of patients with ILI reported in Week 10 was 1.66% as compared to 1.39% in Week 9. To date, 56 specimens from Week 10 have been tested; 3 (or 5.4%) were positive for influenza: one for A(H3N2) and two type B viruses.

Pregnant women are one of the groups at highest risk of developing complications from influenza infection. It is not too late to benefit from influenza vaccination. Vaccine takes about 2 weeks to work: do not delay. Those who develop influenza symptoms should consult their healthcare provider promptly and take antiviral medication, if prescribed.

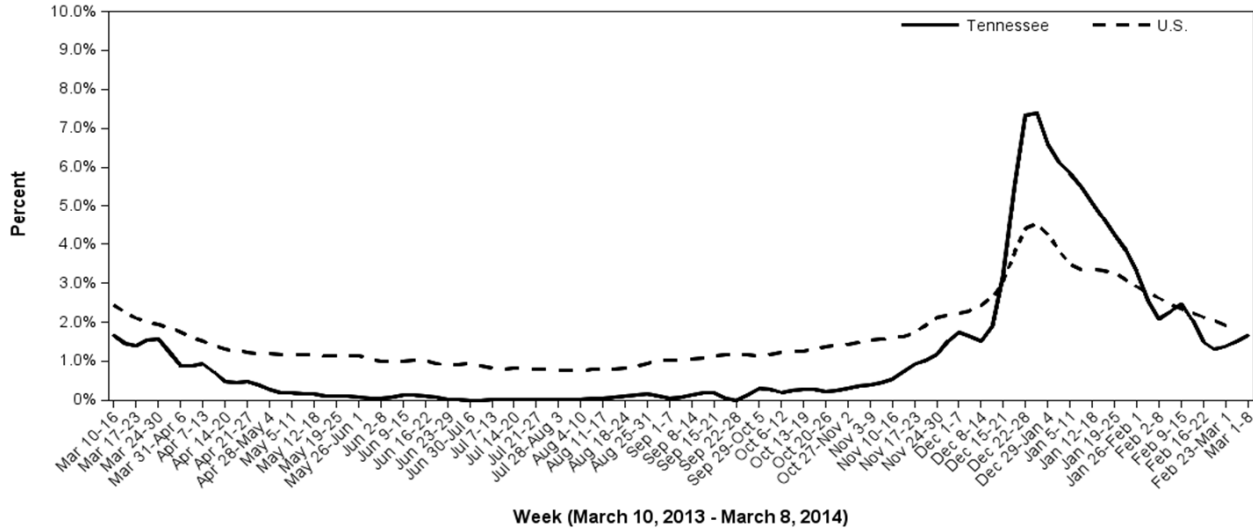
Respiratory Viral Panel

Number of Positive Specimens, by week

| Month/Week      | #   | Flu A (H1N1) | Flu A (H3) | Flu B | RSV A | RSV B | Paraflu 1 | Paraflu 2 | Paraflu 3 | Paraflu 4 | Rhino | Meta-pneumo | Adeno B | Adeno B or E | Adeno C | Corona OC43 | Corona NL63 | Corona 229E | Corona HKU1 |
|-----------------|-----|--------------|------------|-------|-------|-------|-----------|-----------|-----------|-----------|-------|-------------|---------|--------------|---------|-------------|-------------|-------------|-------------|
| <b>March</b>    |     |              |            |       |       |       |           |           |           |           |       |             |         |              |         |             |             |             |             |
| Current         | 56  | 0            | 1          | 2     | 0     | 1     | 0         | 0         | 1         | 0         | 2     | 5           | 0       | 0            | 0       | 4           | 3           | 0           | 5           |
| <b>February</b> |     |              |            |       |       |       |           |           |           |           |       |             |         |              |         |             |             |             |             |
| 9               | 71  | 5            | 0          | 2     | 0     | 3     | 0         | 0         | 0         | 1         | 2     | 3           | 0       | 2            | 0       | 3           | 3           | 3           | 2           |
| 8               | 88  | 4            | 1          | 2     | 1     | 1     | 1         | 1         | 1         | 2         | 7     | 3           | 0       | 0            | 2       | 9           | 4           | 3           | 7           |
| 7               | 105 | 5            | 2          | 0     | 2     | 5     | 0         | 0         | 1         | 0         | 5     | 3           | 0       | 1            | 1       | 11          | 2           | 3           | 5           |
| 6               | 115 | 11           | 0          | 0     | 2     | 5     | 1         | 0         | 0         | 1         | 5     | 6           | 1       | 0            | 0       | 6           | 2           | 0           | 3           |
| <b>January</b>  |     |              |            |       |       |       |           |           |           |           |       |             |         |              |         |             |             |             |             |
| 5               | 145 | 21           | 0          | 0     | 8     | 6     | 1         | 0         | 0         | 0         | 8     | 5           | 0       | 0            | 1       | 5           | 3           | 1           | 4           |

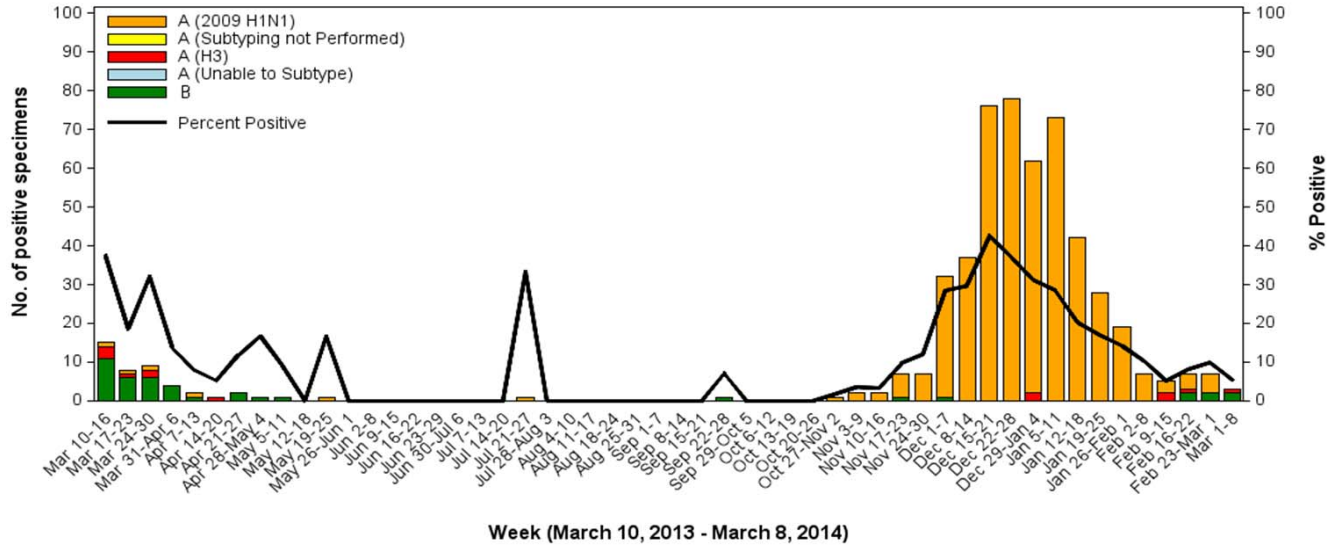
### Percentage of Outpatient Visits Reported by the U.S. and Tennessee Outpatient Influenza-like Illness Surveillance Network (ILINet) as Influenza-like Illness, 2013-2014

Updated: March 13, 2014



### Influenza Positive Tests Submitted to TN Dept. of Health Laboratory Services Tennessee, 2013-2014

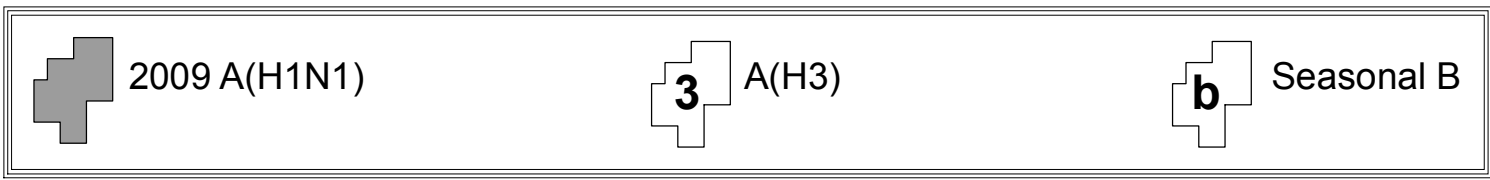
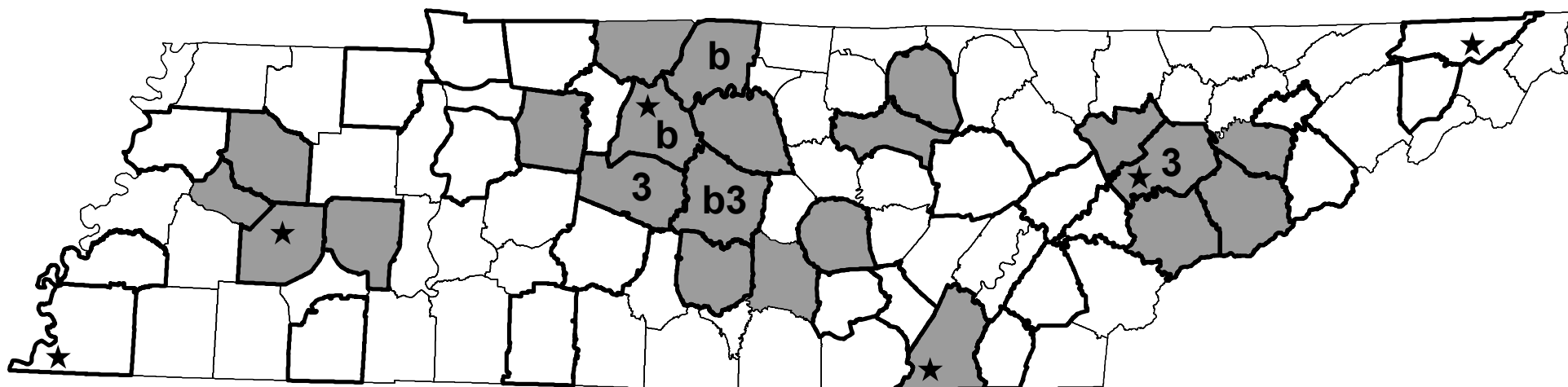
Updated: March 13, 2014



# Influenza Confirmed by Culture or PCR in Tennessee from Specimens Collected by Any Source within the Past 6 Weeks

January 26 to March 8, 2014

- Strains are reported by county of case residence.
- Counties where influenza sentinel providers are located are identified with bold boundary lines.
- Stars mark counties with large metropolitan populations (Memphis, Jackson, Nashville, Chattanooga, Knoxville, and the Tri-Cities area).



## Reference Information for Sentinel Provider Network

1 Influenza-like illness (ILI) is defined as fever > 100°F (37.8°C) plus cough and/or sore throat, in the absence of a known cause (other than influenza). Classification of ILI is based upon symptoms only and does not require any test.

2 The % of patients with ILI seen in each region is compared to the statewide average. Regions with % statistically-significantly different from the state average are noted as “higher” or “lower.” The CDC reports that the percentage of patients visiting outpatient healthcare providers in the Sentinel Provider Network (SPN) with influenza-like-illness (ILI) when influenza viruses are not circulating is expected to fall at or below a specific SPN baseline [nationwide = 2.2%, East South Central region (AL, TN, MS, KY) = 2.3%]. When the percentage of patients with ILI exceeds this baseline, this suggests that influenza viruses may be circulating.

### Important information for Sentinel Providers

Sentinel Providers report ILI by the end of Tuesday following the end of the reporting week ([www2a.cdc.gov/ilinet](http://www2a.cdc.gov/ilinet)) and collect and ship specimens from ILI cases Monday through Thursday (maximum 10/week per provider). All Sentinel Provider specimens MUST be accompanied by the Influenza and Respiratory Viral Panel Submission form or testing will not be done. The Respiratory Viral Panel is only validated for nasopharyngeal (NP) specimens. Specimens collected from other sites cannot be tested.

Additional laboratory supplies can be obtained by completing the lab order supply form. To ensure the order is filled, please include the CDC Provider ID Code.

### Contact Information

Submit weekly reports to: <http://www2a.cdc.gov/ilinet/> OR Fax 888-232-1322

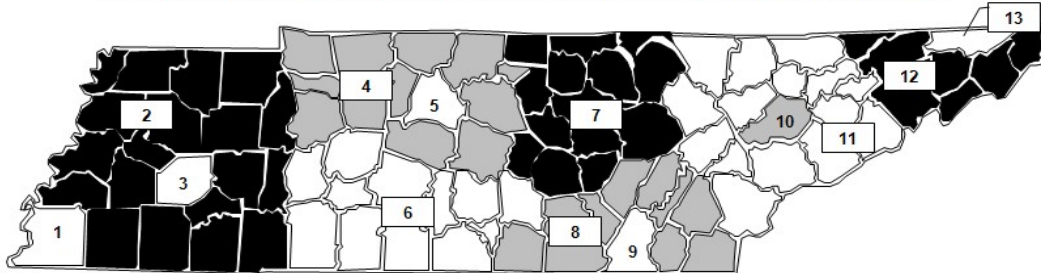
State Lab: Susan McCool 615-262-6351

### **SPN Questions:**

State: Robb Garman 800-404-3006 OR 615-741-7247

County/Region: Regional SPN Coordinator (see map)

### TENNESSEE SENTINEL PROVIDER NETWORK COORDINATORS



|    |                             |              |
|----|-----------------------------|--------------|
| 1  | Shelby County               | 901-222-9239 |
| 2  | West TN Region              | 731-421-6758 |
| 3  | Jackson-Madison County      | 731-927-8540 |
| 4  | Mid-Cumberland Region       | 615-650-7000 |
| 5  | Nashville-Davidson County   | 615-340-0551 |
| 6  | South Central Region        | 931-380-2532 |
| 7  | Upper Cumberland Region     | 931-646-7505 |
| 8  | Southeast Region            | 423-634-6065 |
| 9  | Chattanooga-Hamilton County | 423-209-8063 |
| 10 | Knoxville-Knox County       | 865-215-5084 |
| 11 | East TN Region              | 865-549-5287 |
| 12 | Northeast Region            | 423-979-3200 |
| 13 | Sullivan County             | 423-279-7545 |